

HCD

Pressure and differential pressure monitors for air and fuel gases



HCD6010

Pressure switches of the HCD series are suitable for neutral and non-aggressive gases. They can be used for monitoring overpressure and differential pressure. For overpressure detection the pressure side is connected to the lower connection piece G 1/4"; for vacuum detection the pressure side is connected to the upper connection piece G 1/8" (remove sealing clamp). For differential pressure detection, high

pressure is applied to the lower connection piece (G 1/4") and low pressure to the upper connection piece (G 1/8"). A pressure measurement connection (9 mm ø) is available for accurate setpoint adjustment. The pressure switch is tested according to DIN EN1854 and approved by DVGW for air and fuel gases according to DVGW worksheet G 260.

Technical data

Pressure connection

Pressure connection for overpressure: G 1/4" internal thread.
For vacuum and differential pressure: G 1/8" internal thread.

Switch housing

Diecast aluminium.

Medium temperature

-15 to +60 °C.

Maximum working pressure

See Product Summary

Mounting position

Horizontal with connection pieces pointing downwards.

Type of protection IP 40 according to DIN 40050.

Mounting

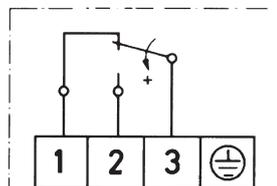
Either directly on pipe or with mounting bracket (supplied) on a vertical surface.

Setting the switching point

Remove the cover and turn the setting spindle marked +/- in the corresponding direction. The scale shows only guideline values. For accurate setpoint adjustment it is necessary to use a pressure gauge which can be attached to the measuring point (9 mm ø pressure measurement connector).

Switching function Single pole switching.

Electrical connection



Switching capacity

2 A/220-240 V AC (inductive load)
10 A/220-240 V AC (resistive load)

Cable entry Pg 13.5

Type	Setting range	Switching differential in lower range	Switching differential in upper range	Max. working pressure
HCD6003	0.2...3 mbar	0.3... mbar	0.5 mbar	100 mbar
HCD6010	1...10 mbar	0.3... mbar	1 mbar	100 mbar
HCD6050	5...50 mbar	1.5... mbar	3 mbar	200 mbar
HCD6150	15...150 mbar	4... mbar	10 mbar	300 mbar

The switching differential is not adjustable. The low switching differentials are for the lower setting range; the higher values relate to the upper ranges.

Dimensioned drawing

